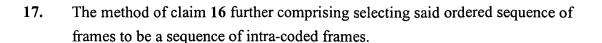## CLAIMS

1.   A method for processing digital video data for trick-mode display, said digital video data having an ordered sequence of frames, said method comprising:

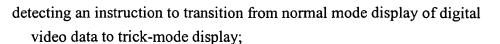specifying a range of delivery intervals;

selecting a frame from said ordered sequence of frames, said selected frame including data representative of a selected image;

generating a modified frame for trick-mode display of said selected frame, said modified frame including data representative of said selected image and being modified for delivery at a delivery interval within said range of delivery intervals.

2.   The method of claim 1 further comprising including said modified frame in a sequence of modified frames to be displayed in trick-mode.

3.   The method of claim 1 wherein generating a modified frame comprises

specifying a range of frame sizes on the basis of said specified range of delivery intervals; and

processing said data representative of said selected image to create a modified frame having a modified-frame size within said range of frame sizes.

4.   The method of claim 3 wherein processing said data representative of said selected image comprises padding said data to enable said modified-frame size to be within said specified range of frame sizes.

5   The method of claim 4 wherein padding said data comprises adding null packets to said data.

6.   The method of claim 3 wherein processing said data representative of said selected image comprises degrading said data representative of said selected image such that said modified frame size is less than an upper bound of said range of frame sizes.

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7. The method of claim **6** wherein degrading comprises discarding selected high frequency coefficients from said data representative of said selected image.

8. The method of claim **6** wherein degrading comprises changing a quantizer scale associated with said data representative of said selected image.

9. The method of claim **6** wherein degrading comprises

. selecting a first portion of said selected image;

selecting a second portion of said selected image;

degrading data representative of said first portion differently from data representative of said second portion.

10. The method of claim **9** further comprising selecting said second portion to be a central portion of said selected frame and selecting said first portion to be a peripheral portion of said selected frame.

11. The method of claim **2** further comprising saving said sequence of modified frames in a trick-file.

12. The method of claim **2** further comprising transmitting said sequence of modified frames to a video client.

13. The method of claim **11** wherein saving said sequence comprises saving said trick-file in a mass-storage subsystem.

14. The method of claim **13** wherein further comprising selecting said mass-storage subsystem from a group consisting of: a magnetic disk, an optical disk, and a magnetic tape.

15. The method of claim **11** wherein said digital video file is an MPEG file and saving said sequence of modified frames in a trick-file comprises interleaving said modified frames with frames specifying zero motion.

16. The method of claim **1** further comprising selecting said digital video file to be an MPEG file.

17.   The method of claim 16 further comprising selecting said ordered sequence of frames to be a sequence of intra-coded frames.

18.   The method of claim 1 further comprising selecting said digital video file include an image encoded by a wavelet transform.

19.   The method of claim 1 wherein said selected frame includes interlaced video data and said method further comprises removing said interlaced data.

20.   The method of claim 19 wherein removing said interlaced video data from said frame comprises overwriting a second field of said frame with a first field of said frame.

21.   The method of claim 1 further comprising indexing said modified frame to said selected frame thereby enabling transition between a normal mode, in which data representative of said image is obtained from said selected frame, and a trick-mode in which data representative of said image is obtained from said modified frame.

22.   A method for processing digital video data for trick-mode display, said method comprising:

            obtaining, from said digital video data, first data representative of an image;

            generating, on the basis of said first data, second data for trick-mode display of said image, said second data being modified for delivery at a delivery interval within a specified range of delivery intervals.

23.   The method of claim 22 further comprising writing a trick-mode file to a mass-storage subsystem, said trick-mode file including said second data.

24.   The method of claim 22 wherein generating said second data comprises adjusting an amount of said first data such that said amount falls within a selected range of amounts, said specified range of amounts being selected on the basis of said specified range of delivery intervals.

25.   A method for transitioning between display of digital video data in normal mode and display of digital vide data in trick-mode, said method comprising:

detecting an instruction to transition from normal mode display of digital video data to trick-mode display;

in response to said instruction, serving trick-mode data corresponding to said digital video data.

26.   The method of claim **25** further comprising:

detecting an instruction to transition from trick-mode display of said digital video data to normal mode display of said digital video data; and

in response to said instruction, serving normal mode data corresponding to said digital video data.

27.   The method of claim **25** wherein serving trick-mode data comprises retrieving said trick-mode data from a trick-mode file.

28.   The method of claim **26** wherein serving normal mode data comprises retrieving said normal mode data from a normal mode file.

29.   A system for serving digital video data, the system comprising:

a video server for delivery of video content; and

a mass-storage subsystem in communication with the video server, said mass storage subsystem including a first data set for serving said video content in normal mode and a second data set for serving said video content in trick-mode.

30.   The system of claim **29** further comprising an index file for correlating said first data set with said second data set, thereby enabling said video server to locate data on said second data set that corresponds to selected data from said first data set.

31.   A computer readable medium having encoded thereon software instructions for processing digital video data for trick-mode display, said software comprising instructions for:

obtaining, from said digital video data, first data representative of an image;

generating, on the basis of said first data, second data for trick-mode display of said image, said second data being modified for delivery at a delivery interval within a specified range of delivery intervals.